

PP FILTER
HOUSING



FRP VESSEL



STRING YARN
FILTERS



RO HOUSING



DOSING PUMP



PP MELTBLOWN
SPUN FILTERS



ACTIVATED CARBON FILTERS



HIGH PRESSURE MULTI STAGE VERTICAL / HORIZONTAL PUMP



HYDRO
FILTSEP
TECHNOLOGIES

INTEGRA™ - Aqua-Flo Quality Filter housings

Hydro Filtsep in association with reputed overseas manufacturer brings you good quality filter housings for all your filtration needs.

"INTEGRA-Aqua flo" filter Housings are manufactured of reinforced polypropylene. Most 9-7/8", 10" and 20" length cartridges fit easily. The superior technology along with our quality control measures in place allow for a cost effective Solution for many of your filtration needs.

SALIENT FEATURES:

- Great for a wide range of applications, such as Residential, Commercial and Industrial.
- Excellent chemical Resistance.
- Tested & Certified by NSF International to NSF/ of NSI standard 42 for material & Structural Integrity requirements only.
- Easy for maintenance.
- Available with Pressure Relief Valve.

Available Size: See Specifications Table.

TECHNICAL SPECIFICATIONS *

Housing - MOC	Polypropylene
CAP - MOC	Polypropylene
Length	10", 20" (for standard) 10", 20" (for blue)
Connection	10" Std.- 1/4", 1/2" & 3/4" 20" Std.- 1/2" & 3/4", 1" 10" & 20" Big Blue - 1" & 1.5" 10" & 20" Transparent - 1/2" & 3/4"
Air Vent	Polypropylene, EPDM
O'ring / Gasket	Buna - N
Max. Pressure	110 PSI (7.5 BAR)
Max. Working temp °C	125°C

AREA OF APPLICATION :

- Reverse Osmosis - Domestic, Commercial & Industrial
- Commercial Pre-filtration
- Beverages
- Wineries
- Food Processing
- Drinking Water Filtration

For more details contact :



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INTEGRA™ - FILT-SHELL High Performance Water Treatment Vessels

OPERATING PARAMETERS:

Max. Operating Pressure: 1.02 Mpa(10.2 Bar)

Max. Operating Temp.: 40°C (104° F)

Material Of Construction: Inner Shell Material: Polyethylene/FRP

Available Size & Inlets: See Specifications Table

TECHNOLOGY:

- Excellent Bonding
- Better filament winding

FEATURES:

- Widest range of pressure vessel available upto 36" diameter with 72" height.
- All sizes have top opening. Top & Bottom openings available for 18" through 36" tanks.
- 6" Flange option available for 18"-36" tanks.
- Corrosion Resistance.
- Low installation and Maintenance cost

PRESSURE VESSELS SPECIFICATION TABLE (Units in mm)*:

SIZE	VOL. Liter	WEIGHT IN KG.		OPENING TOP	OPENING BOTTOM	BASE	TOTAL HEIGHT	BASE DIMENSION	OUTER DIAMETER
		Empty	Full						
8X35	25	5.39	32.6	2.5"	N.A	Standard	901	214	206
8X44	34	5.65	40.0	2.5"	N.A	Standard	1130	214	206
10X35	40	8.63	48.0	2.5"	N.A	Standard	896	264	257
10X54	63	9.30	72.0	2.5"	N.A	Standard	1379	264	257
12X48	89	9.83	103.3	2.5"	N.A	Standard	1230	311	308
12X52	97	10.00	107.0	2.5"	N.A	Standard	1336	311	308
13X54	105	10.40	116.0	2.5"	N.A	Standard	1390	300	334
14X65	150	15.25	165.0	2.5"	N.A	Standard	1664	320	360
				4"	N.A	Standard	1662	320	360
16X65	185	16.55	202.0	2.5"	N.A	Standard	1664	380	410
				4"	N.A	Standard	1663	380	410
18X65	236	31.90	268.0	4"	N.A	Standard	1717	458	481
				4"	4"	Tripod	2027	551	480
21X65	312	41.00	353.0	6" Flange	6" Flange	Tripod	2027	551	480
				4"	4"	Tripod	2027	551	544
24X72	450	46.00	496.0	6" Flange	6" Flange	Tripod	2027	551	544
				4"	4"	Tripod	2154	605	622
30X72	708	62.40	771.0	6" Flange	6" Flange	Tripod	2154	605	622
				4"	4"	Tripod	2129	770	772
36X72	999	76.00	1076.0	6" Flange	6" Flange	Tripod	2129	770	772
				4"	4"	Tripod	2159	932	927

Note: Specifications are approximate. Individual tanks may vary slightly.

For more details contact :

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INTEGRA™ - Hi-Flo Ultimate Filtration Solution



Hydro Filtsep in association with reputed overseas manufacturer brings you superior and consistent quality string yarn filter elements in India.

'Integra Hi Flo' are manufactured using a high speed, continuous winding process of artificial fiber yarn, will depend on the materials will yield different performance, due to their uniformity, corrosion resistance and ability to withstand vibration & fatigue.

FEATURES:

- Efficient and economical ➤ Wide range of applications
- High dirt holding capacity and finer filtration

AREA OF APPLICATION :

- Industrial Water Treatment
- Process - Bulk Drug, Pharmaceuticals and PCB industries
- Syrups and Beverages filtration ➤ Bottle Water prefiltration.

TECHNICAL SPECIFICATIONS * :

Raw Material	100% Poly Propylene
Core	100% PP
Length	5", 10", 20", 30" (for STD)
	10", 20" (for big blue)
Type	DOE
Inner Diameter	28 mm
Outer Diameter	60 - 62 mm (for Standard)
	110 - 115 mm (for big blue)
Micron Rating	1 / 3 / 5 / 10 / 20 / 30 / 50 / 100 (for Standard)
	1 / 5 / 10 / 20 / 50 / 100 (for Big Blue)
Max. Working Pressure	06 Bar
Max. Differential Pressure	0.8 - 1.0 Bar
Max. Working Temp °C	60 - 80

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INTEGRA™ - Aqua-Flo Quality Membrane housing (SS)



Hydro Filtsep with aim to provide world class international products to their Customers brings

"INTEGRA-RO-SHELL" Stainless steel pressure vessel.

Due to its rugged nature, Compatibility with aggressive chemicals & ability to with Stand high temperature these Stainless Steel housing offers wide advantages over other materials

FEATURES:

- Mirror Polished Surface.
- Side & end part Configuration.
- End fitting options.
- Available in 2.5" (single element) & 4" (up to 4 elements).
- Available with STD. Accessories like Straps & Saddle.
- Pressure rating up to 400 PSI.

Available Size: See Specifications Table.

TECHNICAL SPECIFICATIONS* :

Model	Dia	Length	Inlet	Outlet	Pressure
IMH - 2521 - S	2.5"	21	1/4"	3/8"	400 psi
IMH - 2540 - S	2.5"	40	3/8"	3/8"	400 psi
IMH - 4021 - S	4.0"	21	1/2"	1/2"	400 psi
IMH - 4040 - S	4.0"	40	3/4"	1/2"	400 psi
IMH - 4080 - S	4.0"	80	3/4"	1/2"	400 psi
IMH - 40120 - S	4.0"	120	3/4"	3/4"	400 psi
IMH - 40160 - S	4.0"	160	3/4"	3/4"	400 psi

Area of Application : Reverse Osmosis - Domestic, Commercial & Industrial

For more details contact :



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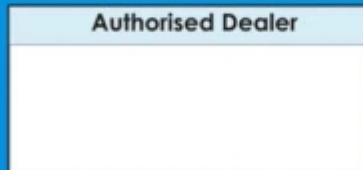
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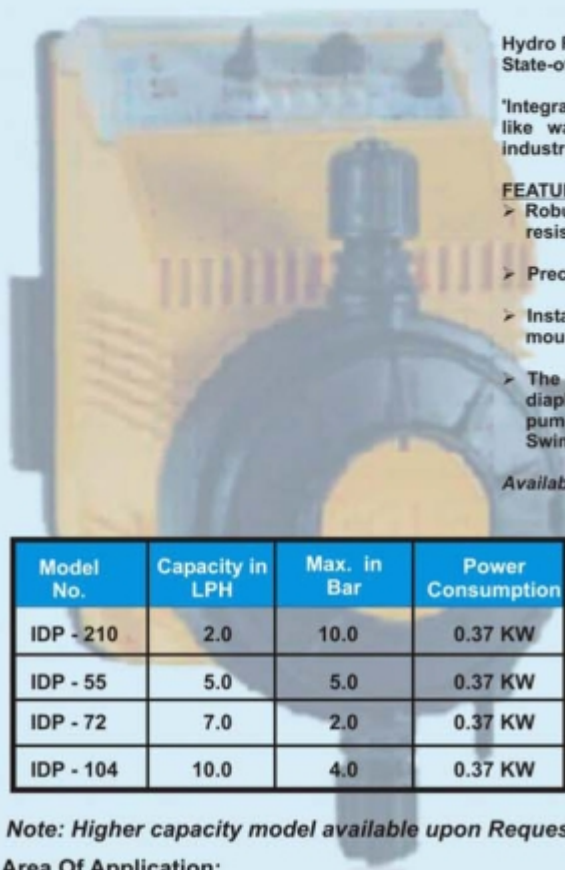
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INTEGRA™ Eco-Dose - "Right choice for Dosing"



Hydro Filtsep in association with reputed overseas manufacturer brings you State-of the-art electronic dosing pumps in India.

'Integra Eco-Dose' Dosing pump are Versatile & suitable for various application like water Treatment, Swimming pools, process, cleaning and general industries.

FEATURES:

- Robust & Versatile: Glass fiber reinforced enclosure, having great resistance to any chemical attack.
- Precise dosage-uniform dosing over a wide adjustment range.
- Installation-Multiple option for installation- Horizontal on bracket or wall mounting.
- The pump head is being made of P.P reinforced with glass fiber PTFE diaphragm, unique glass double ball check valves and viton seals, the pump can work with almost all chemicals used in water treatment plants, Swimming pools, cooling tower etc.

Available Size: See Specifications Table*

Model No.	Capacity in LPH	Max. in Bar	Power Consumption
IDP - 210	2.0	10.0	0.37 KW
IDP - 55	5.0	5.0	0.37 KW
IDP - 72	7.0	2.0	0.37 KW
IDP - 104	10.0	4.0	0.37 KW

Note: Higher capacity model available upon Request.

Area Of Application:

- ✓ Water Treatment
- ✓ Cooling Tower
- ✓ Swimming pool
- ✓ Process

Power Supply	230v / 50 Hz
Protection	IP 65
Pump Head	PP
Diaphragm	PTFE
Lip Valves	Viton
Connection fittings	PP
Spring Loaded Injection Valve	PP / Pyrex
Injection fittings	PP
Foot Strainer	PP
Suction / Discharge Hose	PVC / PE

For more details contact :



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INTEGRA™ - Max Flo High Performance Sediment Filters

HFT in Association with various overseas manufacturers, bring you state-of the art Melt-Blown depth Filter cartridges in India. These filter cartridges are manufactured using 100% non-toxic P.P.

This series offer an excellent ratio between cost/quality with guaranteed high nominal filtration level. "Integra-Max-Flo" Sediment filter cartridges available in various size and micron rating

FEATURES:

- High flow rate at low pressure drop as well as high efficiency.
- High dirt holding capacity & longer service life.

Available Size: See Specifications Table.

TECHNICAL SPECIFICATIONS* :

Raw Material	100% Poly Propylene
Core	Upon Requested - 100% PP
Length	5", 10", 20", 30", 40" (for STD)
	10", 20" (for big blue)
Type	DOE
O' ring / Gasket	Upon Request
Inner Diameter	28 mm
Outer Diameter	60 - 62 mm (for Standard)
	110 - 115 mm (for big blue)
Micron Rating	5 / 10 / 20 / 50
Max. Working Pressure	06 Bar
Max. Differential Pressure	0.8 - 1.0 Bar
Max. Working Temp °C	60 - 80

Area of Application :

- Process - Bulk Drug, Pharmaceuticals and PCB industries
- Industrial Water Treatment
- Syrups and Beverages filtration
- Bottle Water prefiltration.

For more details contact :



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INTEGRA™ - Ac-Flo High Adsorption Carbon Filters

Hydro Filtsep in association with reputed overseas manufacturer brings you good quality active granulated carbon filter element.

'Integra Ac-Flo' acts by means of a physico chemical property of the active carbon (Adsorption). Our manufacturer uses various Active Granulated carbons, suggesting the most appropriate types according to the conditions & diverse needs of filtering required. Our coconut shell carbon has characteristics that are very suitable for treating water in most of the application.

Features:

- High adsorptivity & finer filtration ratio.
- Specific Surface area, adsorption capability, mechanical strength, Thermal and chemical stability.

Available Size: See Specifications Table.

TECHNICAL SPECIFICATIONS* :

Filter Media	G.A.C	Carbon Briquette
Core	Na	Na
Length	10", 20" (For Standard) 10", 20" (For Big Blue)	10", 20" (For Standard) 10", 20" (For Big Blue)
Type	DOE	DOE
O'ring / Gasket	PVC	PVC
External Netting	Polyethylene	Polyethylene
Inner Diameter	26	26
Outer Diameter	68 - 72 (For Standard) 110-120 (For Big Blue)	68 - 72 (For Standard) 110 - 120 (For Big Blue)
Micron Rating - Nominal	5/10	5 / 10
Max. Working Pressure	6.0	6.0
Max. Differential Pressure	0.8 - 1.0	0.8 - 1.0
Max. Working temp °C	50	50

For more details contact :



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INTEGRA™ - Verti-Flo The Ultimate Pumping Solution

Hydro Filtsep in association with reputed overseas manufacturer brings you State-of-the-art Vertical Multistage Centrifugal pumps in India.

Integra Verti Flo' Vertical pump are high quality stainless steel multistage centrifugal pumps. These pumps are manufactured employing latest manufacturing technology, with best quality raw material conforming to international standards.

FEATURES:

- Low Noise. ➤ Easy to transport and install. ➤ Good aesthetic look and less space occupancy. ➤ Energy Saving & environmental protection.

TYPICAL APPLICATION:

- Urban Water Supply and Pressure Boosting
- Industrial Circulating & processing system
- Water treatment Systems
- Water supply to Boiler & condensing System

Available Size: See Specifications Table*.

PERFORMANCE RANGE

Description	CDL2	CDL4	CDL8	CDL16	CDL32
Rated Flow (m ³ /hr)	2	2	8	16	32
Rated Flow (l/s)	0.56	1.1	2.2	4.4	8.9
Flow Range (m ³ /hr)	1 - 3.5	1.5 - 8	6 - 12	8 - 22	16 - 40
Flow Range (l/s)	0.28 - 0.97	0.33 - 2.2	1.4 - 3.3	2.2 - 6.1	4.4 - 11.1
Max. Pressure (bar)	23	22	21	22	26
Motor power (kw)	0.37 - 3	0.37 - 4	0.75 - 7.5	2.2 - 15	1.5 - 30
Temperature range (C)					
Max. Efficiency (%)	46	59	64	71	76
Type					
CDL			-	-	-
CDLF	-	-	-	-	-
CDL Pipe Connection					
DIN Flange			DN40	DN50	DN65
CDLF Pipe Connection					
DIN Flange	DN25	DN32	DN40	DN50	DN65
Cutting ferrule joint	-	-	-	-	-
Pipe Thread	-	-	-	-	-

MATERIAL OF CONSTRUCTION (MOC) CDL/CDLF2 & 4

No	Name	Material	AISI / ASTM	No	Name	Material	AISI / ASM
1	Electric Motor	Std.	NA	9	Base Frame	Cast Iron	ASTM 25B
2	Pump Head	Cast Iron	ASTM 25B	10	Bearing	Hard Quality	YG8
3	Mechanical Seal	Std.	NA	11	Impeller	Stainless Steel	AIS 1304
4	Water-out guide vane	Stainless Steel	AIS 1304	12	Shaft	Stainless Steel	AIS 1316
5	Support guide vane	Stainless Steel	AIS 1304	13	Impeller Separating Sleeve	Stainless Steel	AIS 1304
6	Bearing Guide	Stainless Steel	AIS 1304	14	Pressure Resistant Cylinder	Stainless Steel	AIS 1304
7	Inducer	Stainless Steel	AIS 1304	15	Coupling	Carbon Steel	
8	Inlet & Outlet Section	Stainless Steel	AIS 1304	16	Rubber Parts	FPM	

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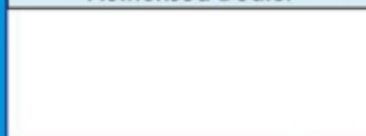
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For more details contact :



AQUA TREAT - 106 Reverse Osmosis Antiscalant

DESCRIPTION AND USE

AQUATREAT-106 is designed to inhibit Inorganic scale formation in membrane separation processes. It controls Calcium, Carbonate, Calcium Sulphate, Barium and Strontium Sulphate Scales in waters with a high scaling potential. AQUATREAT-106 can inhibit very high level of Calcium, Barium & Strontium Sulfates and thus protects the membranes from the hard to remove Calcium Sulfate scales. AQUATREAT-106 controls precipitation of moderate levels of iron and Manganese. AQUATREAT-106 is specifically useful under stressed conditions, due to its excellent tolerance to high levels of Calcium.

Use of AQUATREAT-106 can minimize or even eliminate the need of acid dosing in RO feed water. AQUATREAT-106 is environmentally compatible and hence does not pose any concern for the discharge of waste water.

CHEMICAL FEEDING & CONTROL

AQUATREAT-106 is normally fed continuously prior to the final cartridge filter, it should be injected by chemical dosing pump from a dilution tank or direct from the drum into the feed water line. The amount of AQUATREAT-106 required to inhibit scale formation depends on the quality of feed water and size of the membrane system. The specific control ranges will be specified by the technical representative and can also assist you in determining the appropriate dose rate for your system.

TYPICAL PROPERTIES (All Values approximate)*

Appearance: Colorless to pale yellow liquid
Odor: Characteristic
Stability: Excellent
Solubility: Mixable in any proportion
pH: 5.0-8.0
Specific gravity: 1.1-1.2

SAFETY AND HANDLING

Store in a cool dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information, the Material Safety Data Sheet is available on request.

PACKING

AQUATREAT-106 is packaged in 200 and 25 liter (nominal volume) plastic drums.

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For more details contact :



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Website: www.hydrofiltsep.com

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AQUA TREAT - 109 Reverse Osmosis Antiscalant

DESCRIPTION AND USE

AQUATREAT-109 is designed to inhibit Inorganic scale formation in membrane separation processes. It controls Calcium, Carbonate, Calcium Sulphate, Barium and Strontium Sulphate Scales in waters with a high fouling potential.

CHEMICAL FEEDING & CONTROL

AQUATREAT-109 is normally fed continuously prior to the final cartridge filter, it should be injected by chemical dosing pump from a dilution tank or direct from the drum into the feed water line. The amount of AQUATREAT-109 required to inhibit scale formation depends on the quality of feed water and size of the membrane system. The specific control ranges will be specified by the technical representative and can also assist you in determining the appropriate dose rate for your system.

TYPICAL PROPERTIES (All Values approximate)*

Appearance: Colorless to pale yellow liquid

Odor: Characteristic

Stability: Excellent

Solubility: Mixable in any proportion

pH: 10-12

Specific gravity: 1.35-1.45

SAFETY AND HANDLING

Store in a cool dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information, the Material Safety Data Sheet is available on request.

PACKING

AQUATREAT-109 is packaged in 200, 25 and 35 liter (nominal volume) plastic drums.

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